



Speedflex UL

HFI 90 L dielectric, HFS 80 T sheathed coaxials, LSZH, certified to UL AWM Style 1375
Intended for use primarily as a transmission line in high frequency applications

Description		Construction				Finished cable				
Speedflex UL	Silver Plated Copper (SPC)		Foamed HFI 90 L	SPC braid	HFS 80 T	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	Conductor	Dielectric	Shield/s	Sheath/s					
50 Ohms	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m	mm	Article Number
Speedflex 142 UL	Solid	0.94	2.95	In: 3.50 Out: 4.10	5.10	56	30	95	25	3400014201
Speedflex 295 UL	Solid	1.12	2.95	In: 3.50 Out: 4.10	5.10	54	30	82	25	3400029501
Speedflex 316 UL	7 x 0.18	0.54	1.52	2.00	2.70	13	30	95	9	3400031601
Speedflex 316d UL	7 x 0.18	0.54	1.52	In: 2.00 Out: 2.45	3.10	20	30	94	9	3400031611
Speedflex 375 UL	Solid	1.40	3.75	In: 4.20 Out: 4.70	5.70	64	30	82	29	3400037501
Speedflex 393 UL	7 x 0.81	2.43	7.24	In: 8.00 Out: 8.70	10.10	180	30	95	50	3400039301
Speedflex 400 UL	19 x 0.20	0.98	2.95	In: 3.50 Out: 4.10	5.10	55	30	95	25	3400040001
Speedflex 585 UL	Solid	2.22	5.85	In: 6.55 Out: 7.25	9.00	144	30	82	45	3400058501


Speedflex UL		Silver Plated Copper Covered Steel (SCCS)		Foamed HFI 90 L	SPC braid	HFS 80 T	Weight	Voltage	Capacitance	Fixed MBR	
Stranding	Conductor	Dielectric	Shield/s	Sheath/s							
75 Ohms	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m	mm	Article Number	
Speedflex 179 UL	7 x 0.10	0.30	1.60	2.05	2.60	12	30	64	8	3400017901	

All styles can be produced in a variety of core colours on request. In many instances, standard coaxial cables can be de-rated for use within a UL style.

Attenuation (dB/100m at 20°C)									
Frequency (MHz)	SF 142 UL	SF 295 UL	SF 316 UL	SF 316d UL	SF 375 UL	SF 393 UL	SF 400 UL	SF 585 UL	SF 179 UL
30	8	6	16	16	5	4	12	4	15
100	15	12	29	29	10	7	23	8	28
400	30	23	59	59	20	14	46	16	56
1,000	48	37	93	93	32	23	72	26	88
2,500	77	59	148	148	51	37	115	42	140

Power (Watts at 40°C)									
Frequency (MHz)	SF 142 UL	SF 295 UL	SF 316 UL	SF 316d UL	SF 375 UL	SF 393 UL	SF 400 UL	SF 585 UL	SF 179 UL
30	500	530	160	160	700	1,700	450	1,400	135
100	250	265	75	75	325	750	225	500	65
400	125	133	38	38	163	375	113	250	33
1,000	79	84	24	24	103	237	71	158	21
2,500	50	53	15	15	65	150	45	100	13

Cable identification									
Dielectric: Natural									
Sheath: Black									
Sheath marking is optional. UL 758 rules for surface printing will be used if marking is required. Habia Cable can print on diameters of approx. 1.0mm and greater. Marking: Description - Article No. - UL AWM Style - Habia Cable - Production plant - Year-Week - Batchcode									

Characteristics and key properties									
	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU			Halogen free	Low smoke generation	Flame retardant	+60°C High temp
UL 1375 Certified									-25°C Low temp

Data indicates nominal values in millimetres (mm) unless otherwise stated.
DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice.